

5.3



DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION, CORPS OF ENGINEERS
424 TRAPELO ROAD
WALTHAM, MASSACHUSETTS 02154

IN REPLY REFER TO:

NEDED-R

20 September 1971

Mr. William Burpee
Room 2344
Rayburn Building
Washington, D. C. 20515

Dear Mr. Burpee:

These are photographs portraying typical erosion at Gay Head Cliffs as requested by you by telephone to Colonel Mason and in subsequent conversation with me. To expedite, we are forwarding them informally.

Sincerely yours,


Cecil E. Wentworth

Incl
As stated

CECIL E. WENTWORTH
Chief, Beach Erosion Unit

Nations Vineyard Sound and
1st Special Operations Wing
0112 HFB Mass
200 W 8x10" aerial sea surface

5.3.1 41°22'00" N 70°27'00" W
5.3.2 41°22'00" N 70°27'00" W

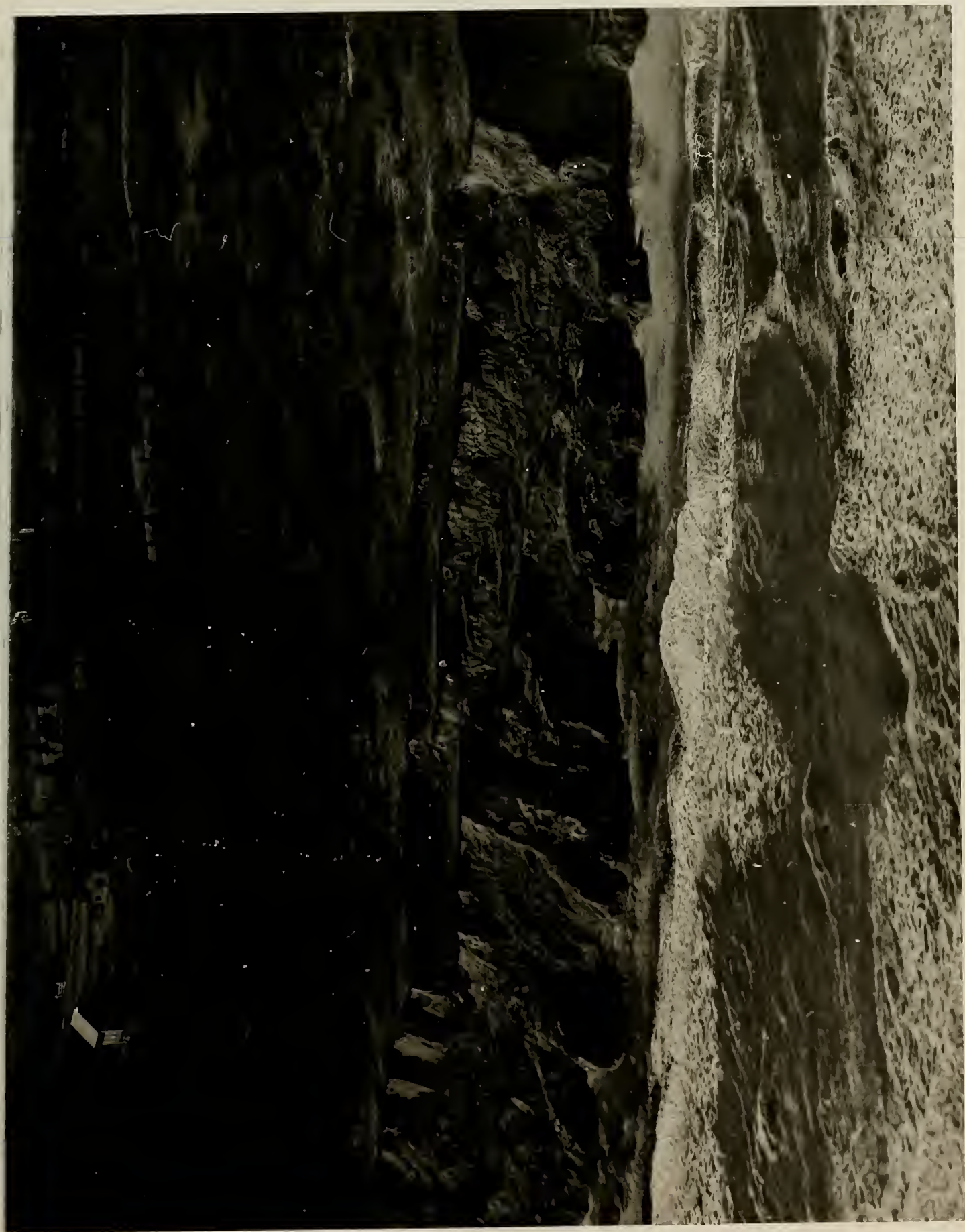


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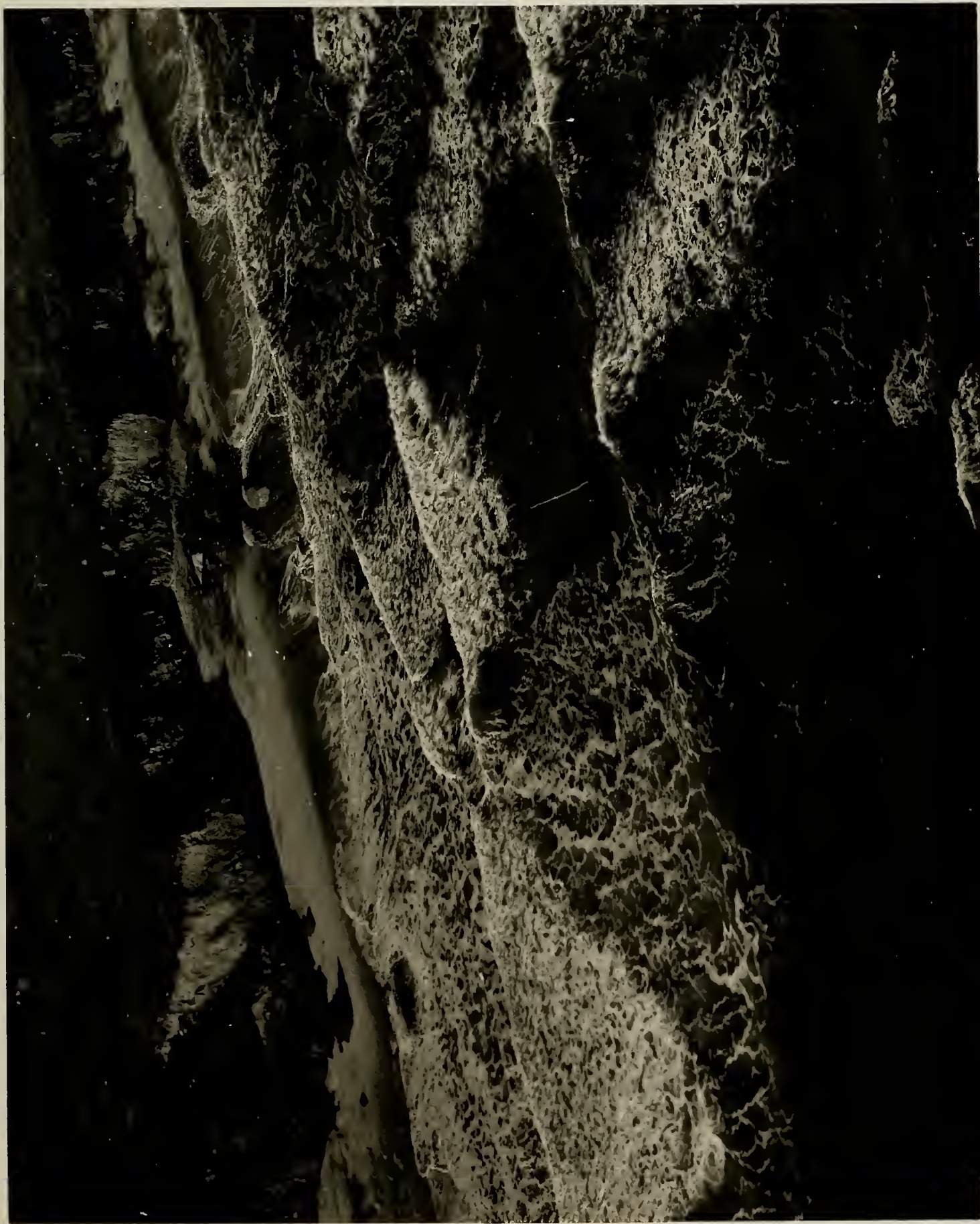
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Nearby vineyard (1000m) 1167
8x15 " and Gay Head Cliff showing

5.3.8 Mascha's Vineyard Shoreline

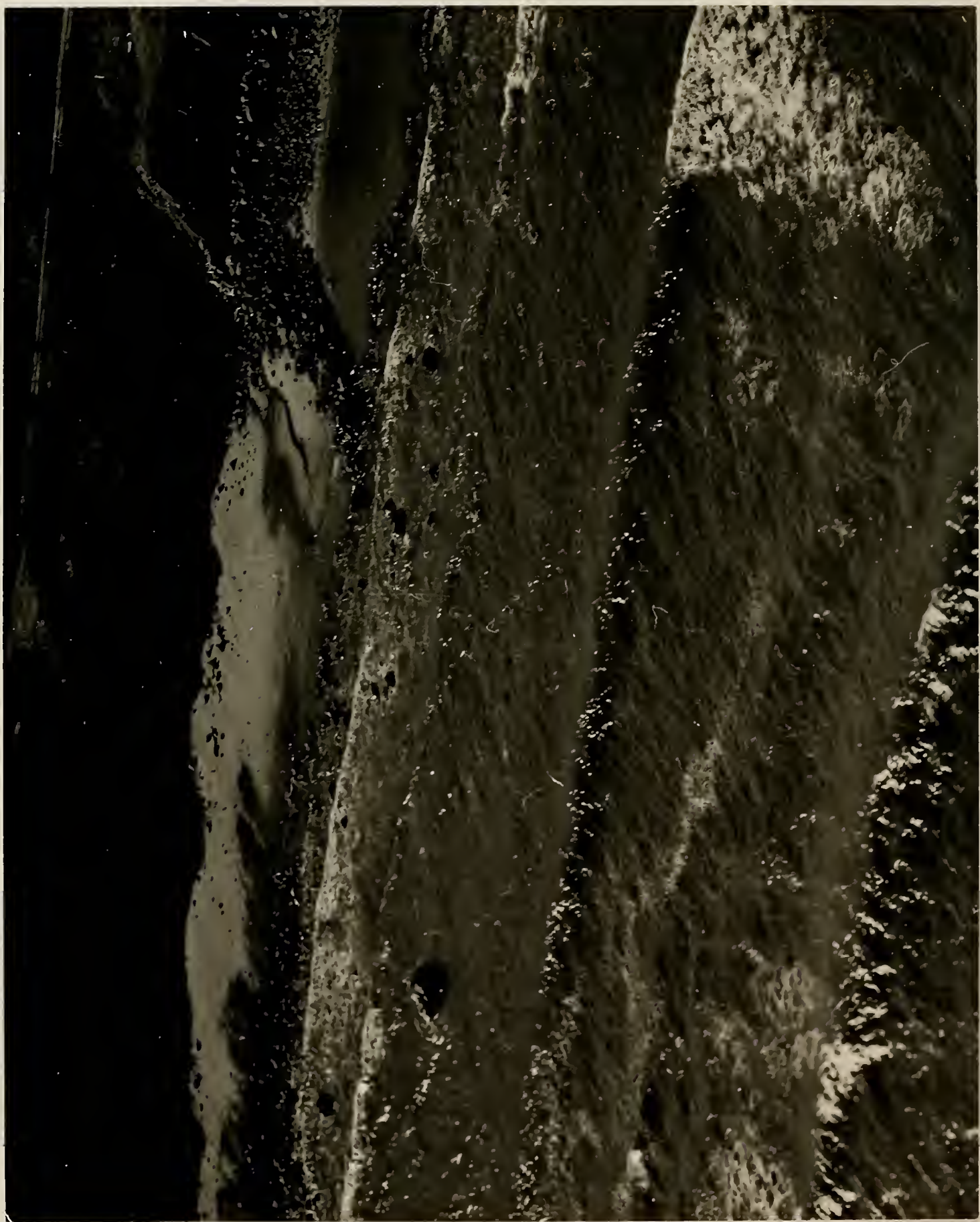
8.3.8 Mascha's Vineyard 70°45' 30" W
41019' 45" N 70°43' 50" W

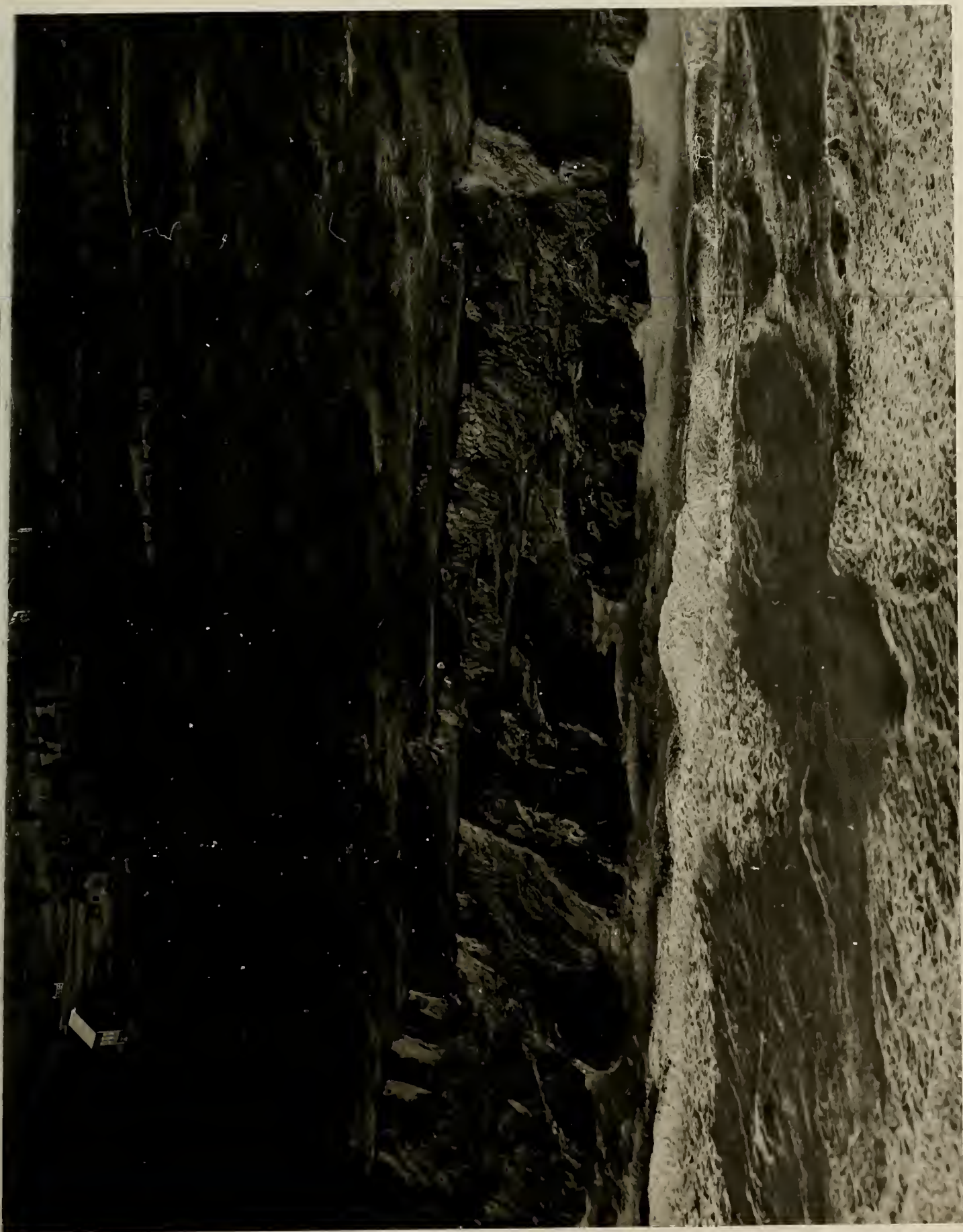
5.3.9 Gay Head Cliffs with Shoreline
41020' 20" W

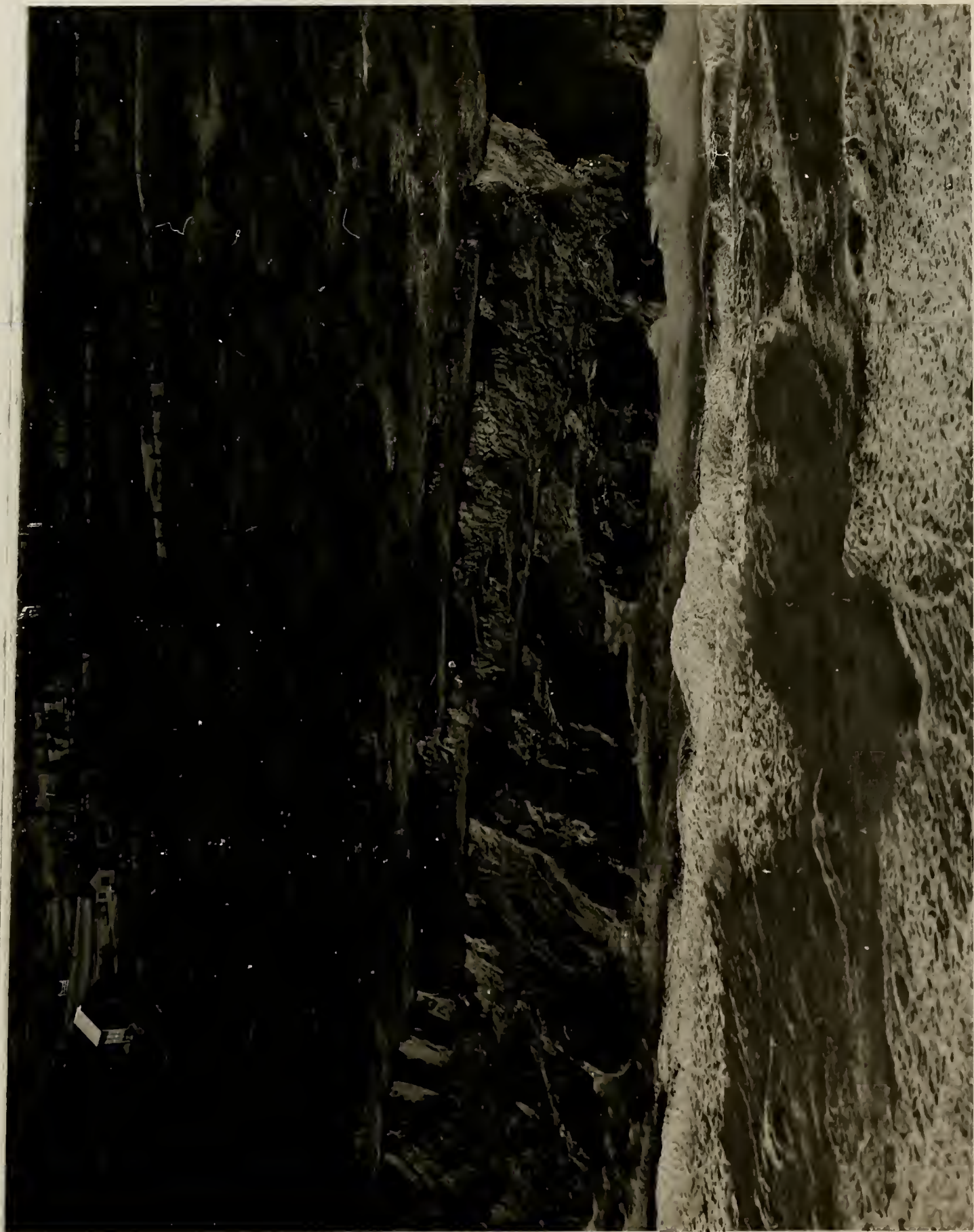
5.3.10 Gay Head Cliffs with Shoreline
41020' 25" N 70°43' 45" W

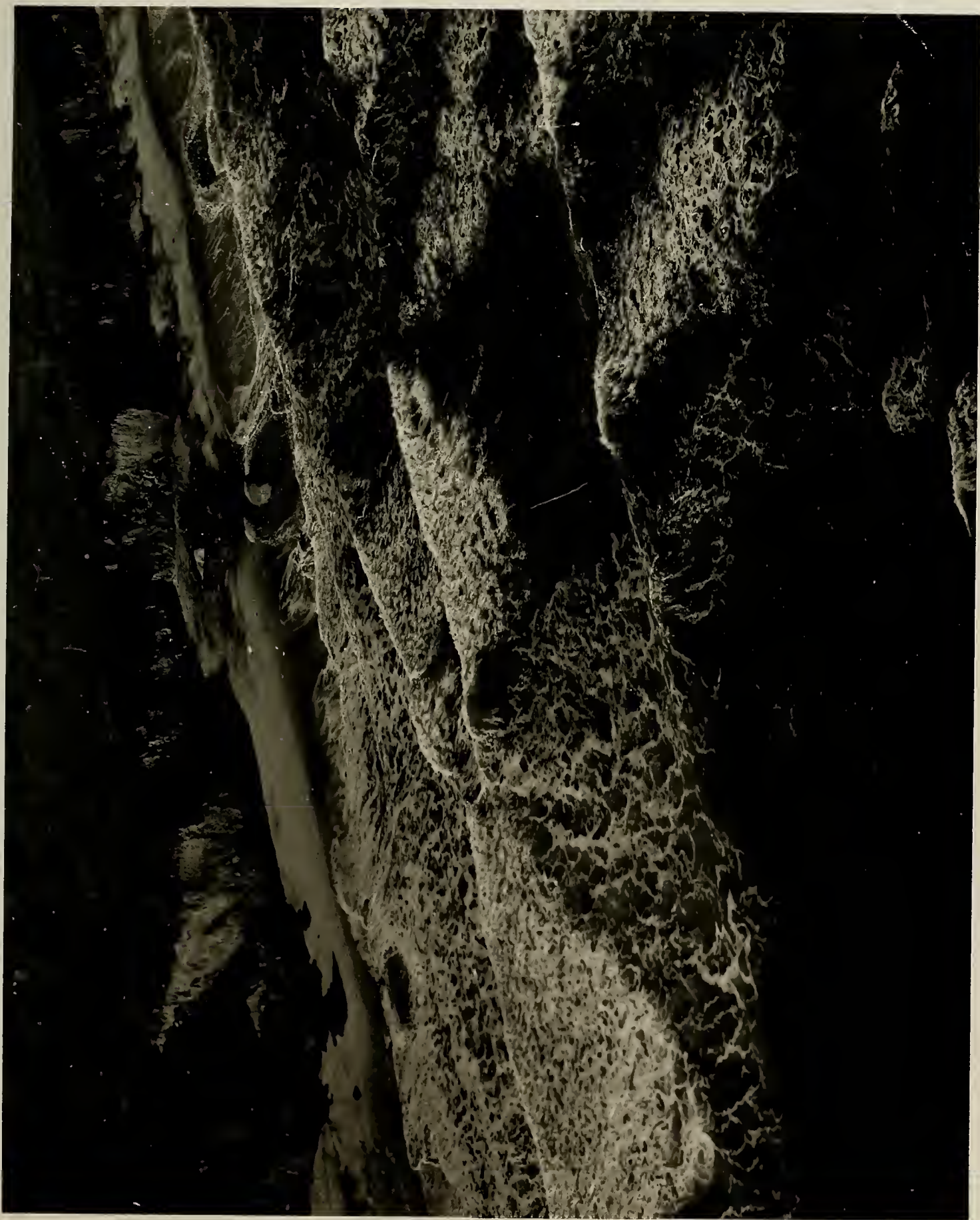
5.3.11 Gay Head Cliffs with Shoreline
41021' 00" N 70°40' 30" W

5.3.12 Gay Head Cliffs with Shoreline
41021' 00" N 70°40' 30" W











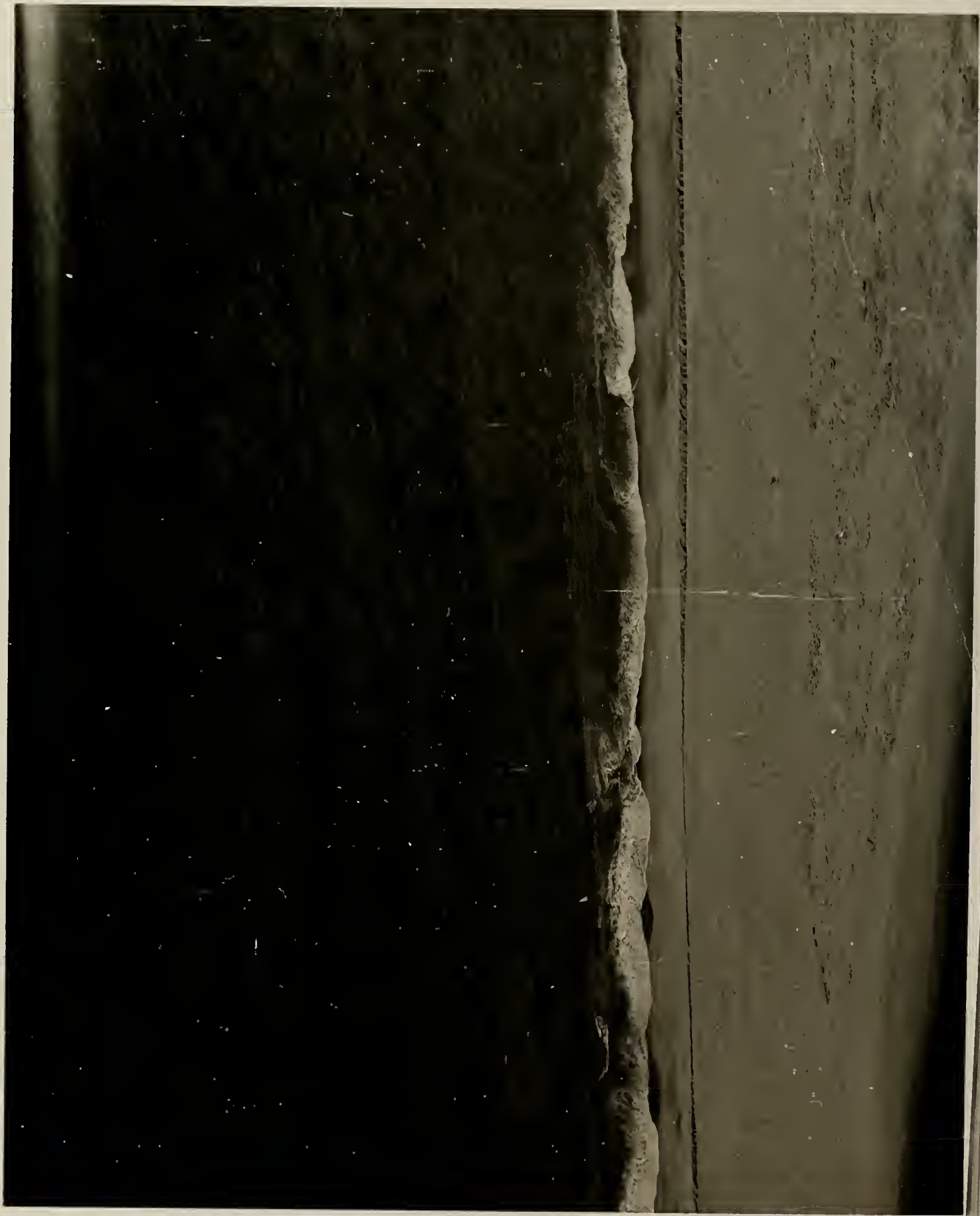


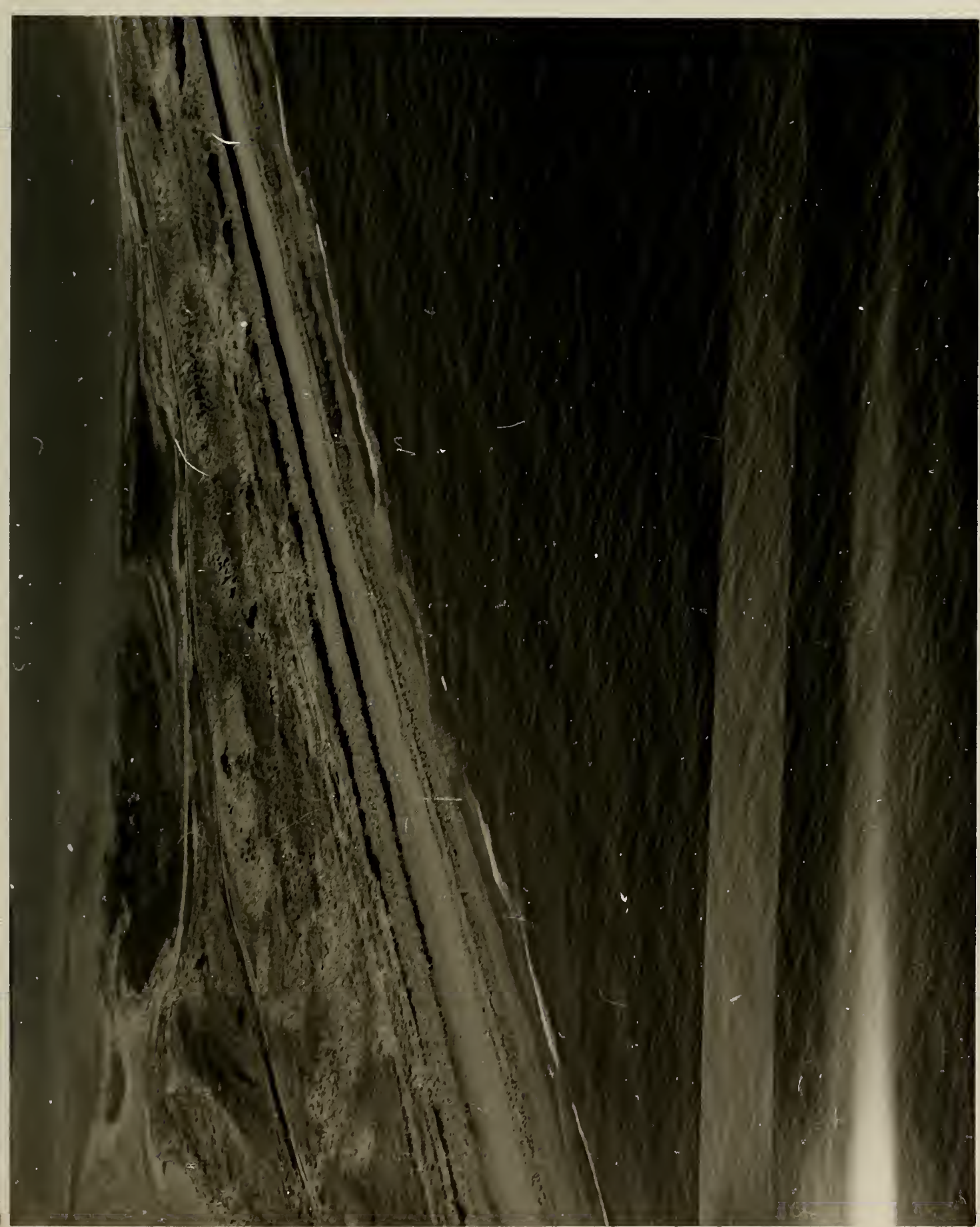


Natchez Vineyard Erosion Series, 1967

7 b 8 w 8x10

- 5.3.13 Natchez Vineyard Shadblow
41020' 55N 70°28'40"W
- 5.3.14 Natchez Vineyard Shadblow
41021' 30N 70°27'00"W
- 5.3.15 Natchez Vineyard Shadblow
41021' 30N 70°27'00"W
- 5.3.16 Natchez Vineyard Shadblow
41027' 00' N 70°40' 00" W
- 5.3.17 Natchez Vineyard Shadblow
41027' 00 N 70°40' 00" W
- 5.3.18 Natchez Vineyard Shadblow
41022' 40" N 70°45' 00" W
- 5.3.19 Natchez Vineyard Shadblow
41022' 40" N 70°45' 00" W









5.3.27.8 Hole - Sharp ridge, Morris and
Aborn - thick material pushed by wind.
Morris, and Simon Cooper. Dec 1907
5.3.28.9 Barren waste. Nelson. Morris. June
at base of cliffs

25 July, 1967

5. 3. 20 Large circular depression - now has moved - partially down slope
1. now has moved - partially down slope of old - Coas + Grand
5. 3. 21 Typical Slide - vicinity of old - Coas + Grand
2. now has moved - partially down slope of old - Coas + Grand
5. 3. 22 Close-up - upper slope - fine sands rapidly
3. Eroded by wind, rain & storm water runoff,
1967
5. 3. 23 small - panoramic view, 1967 - red clay
4. prograding shape has seriously deteriorated.
5. 3. 24 Vast slumping
5. 3. 24. 5 Vast slumping
5. 3. 25. 6 Condenser sleeping from interior
6. Condenser sleeping from interior
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100. Condenser sleeping from interior



1. Large circular slide at top of cliff, 1967. Now has moved partially down slope.

J. S. 20



2. Typical slide + vicinity of old Coast Guard Station, 1967.
Now has partially moved down cliff.

410-81

21



3. Close up - upper slope - fine sands rapidly eroded by wind, rain and storm water runoff, 1967.

1871



4. Overall panoramic view, 1967 - red clay protruding shape has since seriously deteriorated.

NAME	H. KATH
DATE	1204.5.1-507
TIME	
OUT	NEED IT 2 PM 400

100-1116



5. Vast slumping sections of cliff continue to slide down slope,
1967.

5.7.24.5

MEMBER	H. KEITH
NO.	1206 1.5x7
DATE	12.12.12
TIME	12.12.12
BY	12.12.12



7. Continuous seeping from interior springs cause rapid loss of some sectors of cliffs, 1967.

5.3.26.7

1/10/12



8. Note - sharp ridges, ravines and down-wash material caused by winds, rains and storm water runoff, 1967.

5.3.27.8



9. Normal wave action removes fines at base of cliffs.

NAME	M. KEITH
DATE	12-5-77
TIME	NEED BY 2PM WED



6. Continuous seeping from interior springs cause rapid loss of some sectors of cliffs, 1967.

